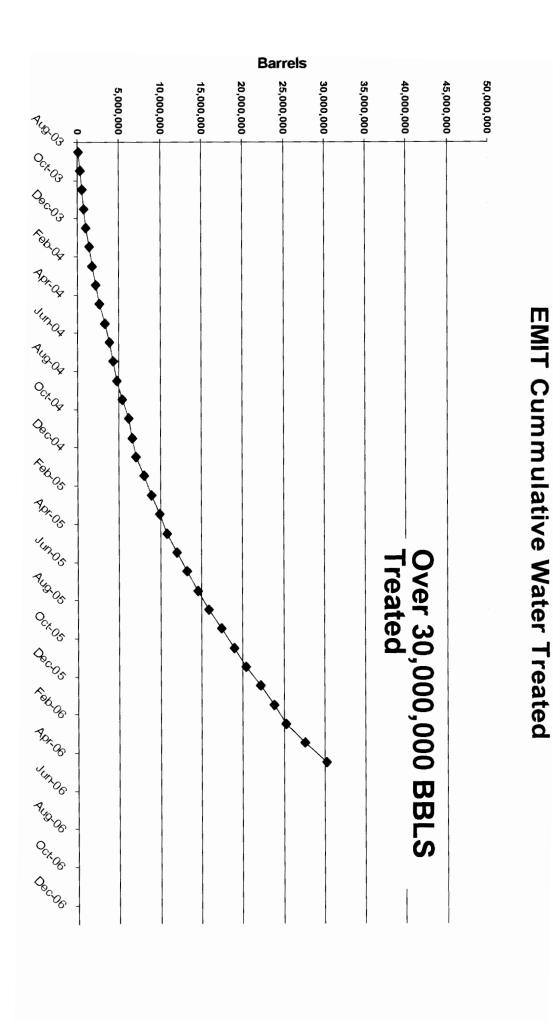
"...it's the air we breathe and the water we drink"

# EMIT Water Discharge Technology

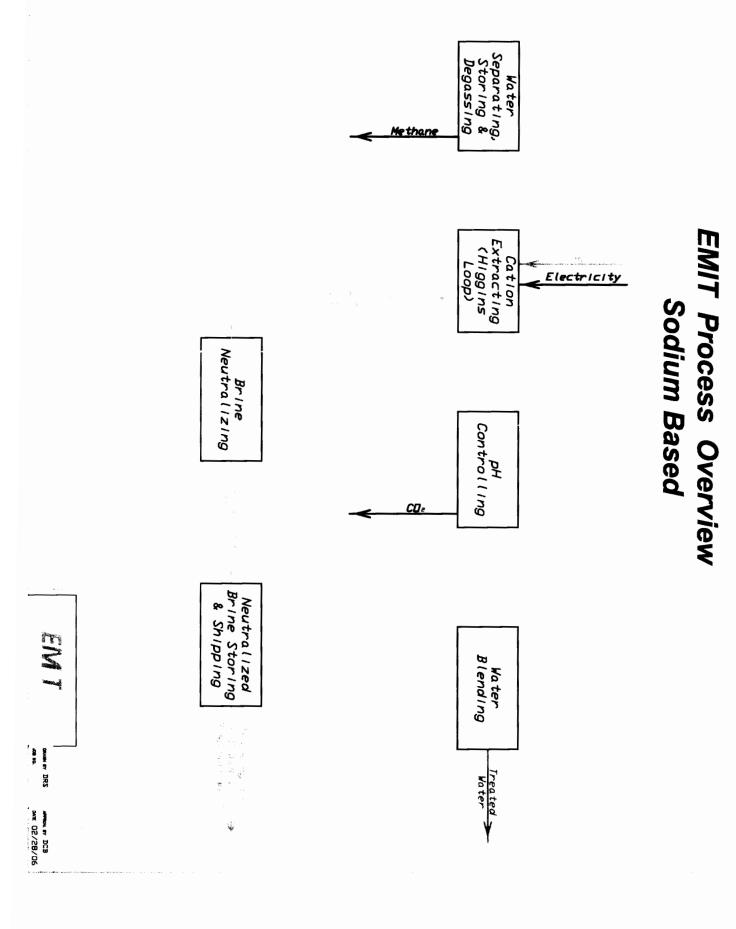
- Sheridan, WY based
- 10 Operating Treatment Sites
- 9 in Wyoming
- 1 in Montana
- 125,000 BPD Treatment Capacity
- DEQ State Wide Construction Permit
- 20 CFS NPDES Permit for Powder River Discharge

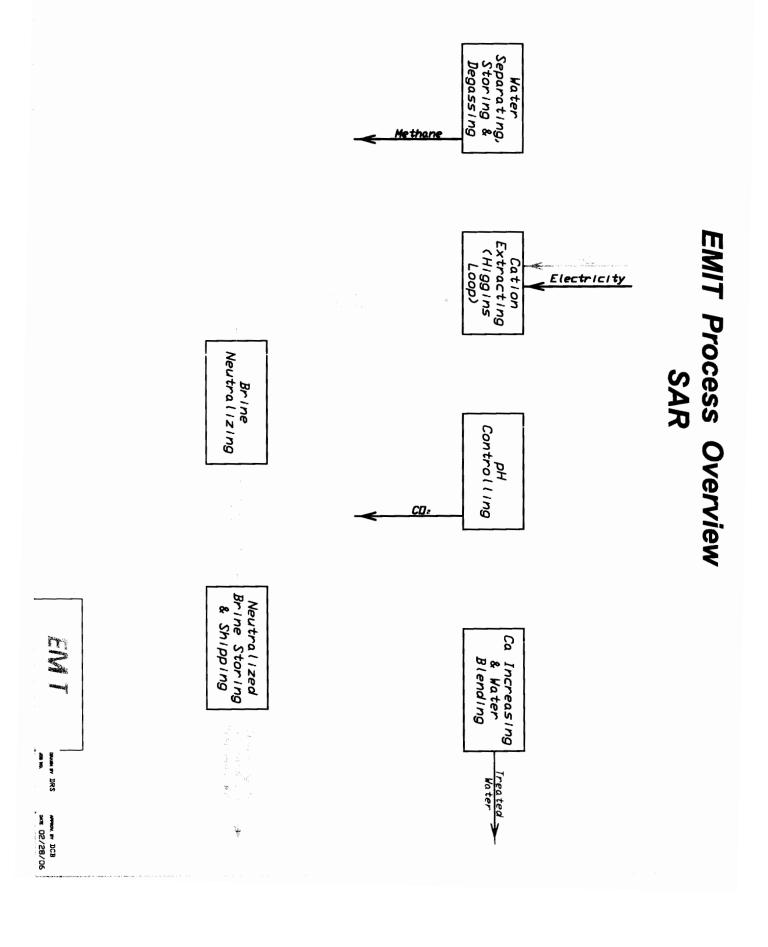


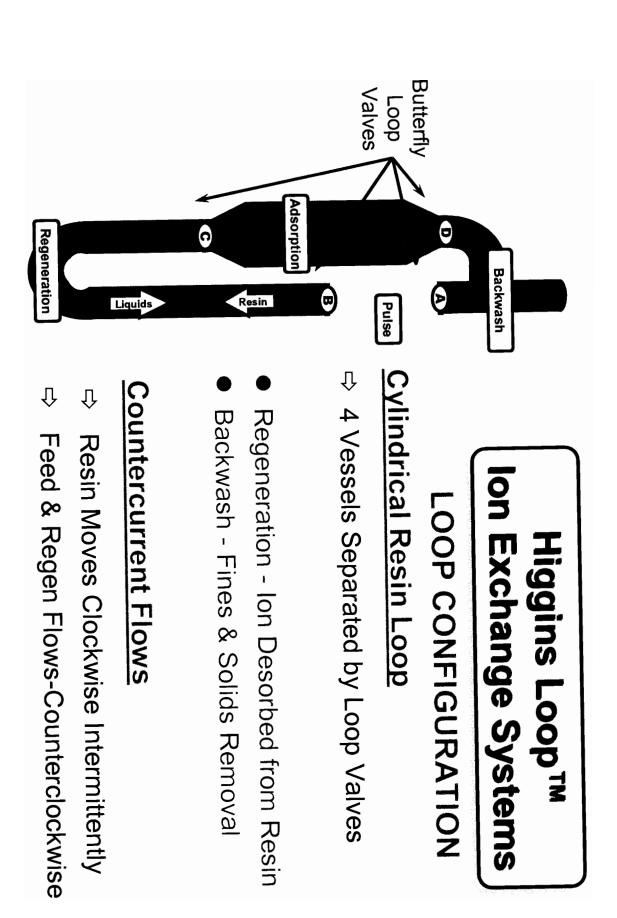
### **EMIT's Process**

#### s Process

- ™ Utilize a Higgins Loop Counter Current Ion **Exchange System for Cation Removal**
- Raise pH with Air Stripper
- Add Gypsum (CaSO4) to Increase Calcium for SAR Modification
- Blend Specific %'s of Produced water
- Meet SAR, Na and Electrical Conductivity Requirements.







## EMIT WATER QUALTY DATA

### Wyoming Big George Coal

### Powder River Discharge

	Supplied Water	Throughput Water	Treated Discharge Water
H	7.7		6.7
EC		322	south and the second
SAR	₩ ₩ ₩	€% Ç¢	<u>သ</u> ယ
Na	saccali person to the fact of person facts	58	181
Ca	32	7	227
Mg	19	ND	2